

jected, that it would be unadvisable to increase the number of families by forming one containing only one or two species.

The *Isoëtes* are certainly not ferns, neither can they be classed with the *Lycopodiaceæ*, as some have proposed. In the flora resulting from the botanical explorations of the scientific commission of Algeria, the family of the *Isoëtaceæ* has not only been firmly established, but at least two or three species have been added.

In the first instance only two *Isoëtes* were known, both aquatic; the *lacustris* of the north, and *I. Coromandelica* of Hindostan. Prof. Delile found the *Isoëtes* of the pool of Gramont near Montpellier so different from the *lacustris* of Linnæus, that he has characterized it as a new species under the name of *I. setacea*. It is essentially southern, and has been found by Dr. Mogent in the Gérardmer, an elevated lake of the Vosges. Subsequently a fourth *Isoëtes* was found in Brazil, and several others have been found in N. America, New Holland and the islands of the Pacific. Those which have been found in Algeria are of two kinds, and might be separated into two very distinct subgenera: the first composed of two or three species, like all previously known *Isoëtes*, aquatic; the second of two terrestrial species, which instead of growing at the bottom of lakes, are found in the driest and most exposed parts of the country. The *Isoëtes* of Algeria are—
 *Aquaticæ: 1. *I. setacea*, Del., a *Delilei*, β *Peyrremondii*; 2. *I. longissima* (n. sp.): **Terrestres: 3. *I. Duriei* (n. sp.), and 4. *I. hystrix* (n. sp.).—*Comptes Rendus*, June 24, 1844.

METEOROLOGICAL OBSERVATIONS FOR JUNE 1844.

Chiswick.—June 1. Clear and fine. 2. Overcast and cold: fine: cloudy. 3. Light clouds and very fine. 4, 5. Very fine. 6. Slight rain: cloudy. 7. Overcast: boisterous. 8. Very fine. 9. Slight rain: very fine. 10. Fine: cloudy. 11—16. Very fine. 17. Hot and dry: cloudy. 18. Rain: fine. 19. Overcast: heavy clouds, with showers. 20. Overcast. 21, 22. Very fine. 23. Exceedingly clear: sultry. 24. Cloudy: hot and sultry. 25. Constant heavy rain. 26. Cloudy: fine. 27. Cloudy. 28, 29. Very fine. 30. Dry haze: overcast and fine.—Mean temperature of the month 2°·19 above the average.

Boston.—June 1. Fine. 2, 3. Cloudy. 4. Fine. 5. Cloudy. 6. Rain early A.M.: rain A.M. 7. Cloudy. 8. Cloudy: thermometer at 4 o'clock 75°. 9. Cloudy. 10. Fine: rain A.M. 11. Fine. 12. Fine: thermometer 4 o'clock 75°. 13. Fine: stormy all day. 14, 15. Stormy. 16, 17. Fine. 18. Cloudy. 19, 20. Cloudy: rain A.M. and P.M. 21. Cloudy. 22. Fine. 23. Fine: thermometer at noon 81°. 24. Fine: rain early A.M., with thunder and lightning: thermometer at noon 80°. 25. Cloudy: rain A.M. and P.M. 26, 27. Cloudy. 28—30. Fine.

Sandwich Manse, Orkney.—June 1. Cloudy. 2, 3. Bright: cloudy. 4. Showers: cloudy. 5—7. Showers: rain. 8. Bright: cloudy. 9. Cloudy: showers. 10, 11. Bright: drops. 12. Bright: rain. 13. Showers: bright. 14, 15. Showers. 16. Bright: clear. 17. Clear. 18. Drizzle. 19. Drizzle: drops. 20. Showers: drops. 21. Clear. 22. Fog. 23. Drops: clear. 24. Hazy: clear. 25. Clear: cloudy. 26, 27. Cloudy. 28. Cloudy: damp. 29, 30. Cloudy.

Applegarth Manse, Dumfries-shire.—June 1. Dry and withering. 2. Dry and withering: cloudy. 3. Fine. 4. Cloudy and threatening rain. 5, 6. Rain. 7. Very wet. 8. Fair, but cloudy. 9. Fair: threatening. 10. Showers. 11. One slight shower. 12, 13. Heavy rain. 14, 15. Fair. 16. Fair and fine. 17, 18. Rain. 19. Fair. 20, 21. Rain. 22. Fair. 23. Fair and warm: thunder. 24. Rain. 25. Showery. 26—30. Fair and fine.

Mean temperature of the month	55°·1
Mean temperature of June 1843	54 °7
Mean temperature of spring-water	51 °6
Mean temperature of ditto June 1843	50 °7